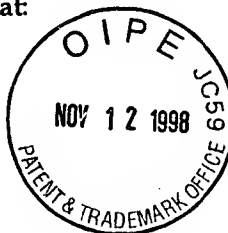


**COMBINED DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

**INVENTORSHIP IDENTIFICATION**

My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**A METHOD AND APPARATUS FOR THE FORMATION OF DIELECTRIC LAYERS****SPECIFICATION IDENTIFICATION**

The specification of which:

- ☒ is attached hereto
- ☒ was filed on 6/12/98 under Serial No 09/096858 executed on even date herewith; or  
☐ Express Mail No. (if Serial No. not yet known)  
and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application  
No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19  
on \_\_\_\_\_.

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulation, §1.56.

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

**PRIORITY CLAIM (35 U.S.C. §119)**

I hereby claim foreign priority benefits under Title 35, United States Code §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventors' certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the applications(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

- A. Prior foreign PCT application(s) filed within 12 months (6 months for design) prior to this application, and any priority claim under 35 U.S.C. §119

| <u>Country/PCT</u> | <u>Application No.</u> | <u>Date Filed</u> | <u>Priority Claimed</u> |
|--------------------|------------------------|-------------------|-------------------------|
|--------------------|------------------------|-------------------|-------------------------|

|                              |                             |
|------------------------------|-----------------------------|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |

- B. All foreign application(s), if any filed more than 12 months (6 months for design) prior to this U.S. application

Country:

Application No:

Filing Date:

**PRIORITY CLAIM (35 U.S.C. §120)**

I hereby claim the benefit under Title 35, United States Code §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed

☐ Such applications have been filed, as follows:

| <u>Serial No.</u> | <u>Filing Date</u> | <u>Status (Patented, Pending, Abandoned)</u> |
|-------------------|--------------------|--|
|-------------------|--------------------|--|

## POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

|                      |                         |
|----------------------|-------------------------|
| Lawrence Edelman     | Registration No. 25,226 |
| Michael B. Einschlag | Registration No. 29,301 |
| Raymond Kam-on Kwong | Registration No. 37,165 |
| Robert W. Mulcahy    | Registration No. 25,436 |
| John R. Schiffhauer  | Registration No. 32,170 |
| Peter J. Sgarbossa   | Registration No. 25,610 |
| Michael L. Sherrard  | Registration No. 28,041 |
| Donald Verplancken   | Registration No. 33,217 |
| James C. Wilson      | Registration No. 35,412 |

my patent attorneys and/or agents of APPLIED MATERIALS, INC, located at M/S 2061, 3050 Bowers Avenue, Santa Clara, California 90504, and

I hereby appoint Farzad E. Amini, Reg. No. P42,261; Aloysius T. C. AuYeung, Reg. No. 35,432; William Thomas Babbitt, Reg. No. 39,591; Jordan Michael Becker, Reg. No. 39,602; Bradley J. Berezna, Reg. No. 33,474; Michael A. Bernadico, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; Gregory D. Caldwell, Reg. No. 39,926; Kent M. Chen, Reg. No. 39,630; Lawrence M. Cho, Reg. No. 39,942; Yong S. Chol, Reg. No. P43,324; Thomas M. Coester, Reg. No. 39,637; Roland B. Cortes, Reg. No. 39,152; Barbara Bokanov Courtney, Reg. No. P42,442; William Donald Davis, Reg. No. 38,428; Michael Anthony DeSanctis, Reg. No. 39,957; Daniel M. De Vos, Reg. No. 37,813; Tarek N. Fahmi, Reg. No. 41,402; Richard Leon Gregory, Jr., P42,607; James Y. Go, Reg. No. 40,621; Sharmini Nathan Green, Reg. No. 41,410; David R. Halvorson, Reg. No. 33,395; Thomas A. Hassing, Reg. No. 36,159; Eric Ho, Reg. No. 39,711; Willmore F. Holbrow III, Reg. No. P41,845; George W. Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; Dag H. Johansen, Reg. No. 36,172; Stephen L. King, Reg. No. 19,180; Tim L. Kitchen, Reg. No. P41,900; Michael J. Mallie, Reg. No. 36,591; Paul A. Mendonsa, Reg. No. P42,879; Darren J. Milliken, P42,004; Tinh V. Nguyen, P42,034; Kimberley G. Nobles, Reg. No. 38,255; Michael A. Proksch, Reg. No. P43,021; Ronald W. Reagin, Reg. No. 20,340; Babak Redjaian, P42,096; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Anand Sethuraman, Reg. No. P43,351; Charles E. Shemwell, Reg. No. 40,171; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Allan T. Sponseller, Reg. No. 38,318; Steven R. Sponseller, Reg. No. 39,384; Geoffrey T. Staniford, P43,151; Judith A. Szepesi, Reg. No. 39,393; Edwin H. Taylor, Reg. No. 25,129; George G. C. Tseng, Reg. No. 41,355; Lester J. Vincent, Reg. No. 31,460; John Patrick Ward, Reg. No. 40,216; Stephen Warhola, Reg. No. P43,237; Ben J. Yorks, Reg. No. 33,609; and Norman Zafman, Reg. No. 26,250; my attorneys; and Robert Andrew Diehl, Reg. No. 40,992; and Edwin A. Sloane, Reg. No. 34,728; my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and James R. Thein, Reg. No. 31,710, my patent attorney; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Send correspondence to:

Direct telephone calls to:

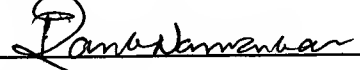
Patent Counsel, MS/2061  
Legal Affairs Dept.  
Applied Materials, Inc.  
Box 450A  
Santa Clara, CA 95052

Michael A. Bernadico  
(408) 720-8598

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

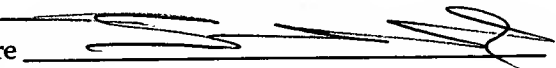
Full Name of Sole/First Inventor Pravin K. Narwankar

Inventor's Signature  Date 10/15/98

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(City, State) (Country)

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Sunnyvale, CA 94086

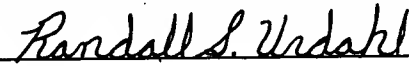
Full Name of Second/Joint Inventor Turgut Sahin

Inventor's Signature  Date October 15, 1998

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Full Name of Third/Joint Inventor Randall S. Urdahl

Inventor's Signature  Date 10/15-98

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Mtn. View (City, State) (Country)

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Palo Alto, CA 94306 Mtn. View, CA 94043

Full Name of Fourth/Joint Inventor Ankineedu Velaga

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Cupertino, California Citizenship USA  
(City, State) (Country)

Post Office Address 10180 Parkwood Drive #7  
Cupertino, CA 95014

Full Name of Fifth/Joint Inventor Patricia Liu

Inventor's Signature

Patricia Liu

Date

10-15-98

Residence Saratoga, CA 95070

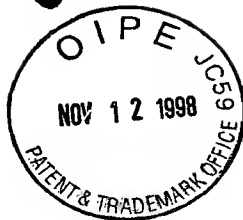
(City, State)

Citizenship USA

(Country)

Post Office Address 18813 Bellgrove Circle

Saratoga, CA 95070



Atty. Dkt. No.2571/US/CAP/LE

### COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

### INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### TITLE OF INVENTION

***"A METHOD AND APPARATUS FOR THE FORMATION OF DIELECTRIC LAYERS"***

### SPECIFICATION IDENTIFICATION

The specification of which:

- ☐ is attached hereto
- ☒ was filed on **06/12/1998**, under Serial No. 09/096,858, executed on even date herewith; or
  - ☐ Express Mail No. \_\_\_\_\_ (as Serial No. not yet known)
  - and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application No. \_\_\_\_\_  
filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

### ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

**PRIORITY CLAIM (35 U.S.C. §119)**

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

- ☒ No such applications have been filed.
- ☐ Such applications have been filed as follows:

**A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119**

| <u>Country/PCT</u> | <u>Application No</u> | <u>Date Filed</u> | <u>Priority Claimed</u>                                  |
|--------------------|-----------------------|-------------------|--|
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |

**B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application**

Country:  
Application No:  
Filing date:

**PRIORITY CLAIM (35 U.S.C. §120)**

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

- ☒ No such applications have been filed
- ☐ Such applications have been filed, as follows:

| <u>Serial No.</u> | <u>Filing Date</u> | <u>Status</u>           |                  |
|-------------------|--------------------|-------------------------|------------------|
|                   |                    | <u>Patented Pending</u> | <u>Abandoned</u> |

### POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

|                       |                         |
|-----------------------|-------------------------|
| Michael L. Sherrard   | Registration No. 28,041 |
| Peter J. Sgarbossa    | Registration No. 25,610 |
| Donald Verplancken    | Registration No. 33,217 |
| Lawrence Edelman      | Registration No. 25,226 |
| Michael B. Einschlag  | Registration No. 29,301 |
| Joseph Bach           | Registration No. 37,771 |
| John Schiffhauer      | Registration No. 32,170 |
| Raymond Kam-On Kwong  | Registration No. 37,165 |
| James C. Wilson       | Registration No. 35,412 |
| Robert W. Mulcahy     | Registration No. 25,436 |
| Michael A. Bernadicou | Registration No. 35,934 |

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Legal Affairs Dept.  
Applied Materials, Inc.  
3050 Bowers Avenue  
Santa Clara, CA 95054.

**Direct telephone calls to:**

Michael A. Bernadicou  
(408) 720-8598

### DECLARATION

*I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.*

Full name of sole or first inventor: **PRAVIN K. NARWANKAR**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: **SUNNYVALE, CA 94086**

Post Office Address: **392 WAVERLY STREET  
SUNNYVALE, CA 94086  
U.S.A.**

Country of Citizenship: **INDIA**

Full name of second inventor: **TURGUT SAHIN**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: **CUPERTINO, CA 95014**

Post Office Address: **11110 CHADWICK PLACE  
CUPERTINO, CA 95014  
U.S.A.**

Country of Citizenship: **USA**



Full name of **third** inventor:

**RANDALL S. URDAHL**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: MOUNTAIN VIEW, CA 94043

Post Office Address: 1361 ORMONDE WAY  
MOUNTAIN VIEW, CA 94043  
U.S.A.

Country of Citizenship: USA

Full name of **fourth** inventor:

**ANKINEEDU VALEGA** ?

Inventor's signature: *[Signature]* Date: *Oct 30, 98*

Residence: ~~CUPERTINO, CA 95014~~ *Orlando, FL 32836*

Post Office Address: ~~10180 PARKWOOD DRIVE #7~~ *8802 Heritage Bay Circle*  
~~CUPERTINO, CA 95014~~ *Orlando, FL 32836*  
U.S.A. Country of Citizenship: USA

Full name of **fifth** inventor:

**PATRICIA LIU**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: SARATOGA, CA 95070

Post Office Address: 18813 BELLGROVE CIRCLE  
SARATOGA, CA 95070  
U.S.A.

Country of Citizenship: USA

(Declaration ends with this page)